

Converting Colors

$Y_{xy}(22.8423, 0.3202, 0.1713)$

Have a look what the booklet for
Yxy(22.8423, 0.3202, 0.1713)
contains.

Yxy(22.7876, 0.3201, 0.1710)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.7876, 0.3201, 0.1710)

Conversions

Conversions Part 1

Format	Color
Hex	D93AD9
RGB	217, 58, 217
RGB Percent	85%, 23%, 85%
CMY	0.1490, 0.7726, 0.1489
CMYK	0.00, 0.73, 0.00, 0.15
HSL	300°, 68%, 54%
HSV	300°, 73%, 85%
XYZ	42.6568, 22.7876, 67.8164
YIQ	123.6670, 43.7250, 83.1570

Conversions

Conversions Part 2

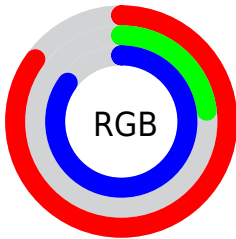
Format	Color
R _Y B	217, 58, 217
Decimal	14236377
CIE Lab	54.85, 77.41, -48.64
CIE LCh	55, 91.425, 327.858
Yxy	22.7876, 0.3201, 0.1710
Android (android.graphics.Color)	4292426457 (0xFFD93AD9)
YUV	123.6670, 46.0132, 81.8530
Hunter-Lab	47.7364, 75.9674, -50.8146

Details

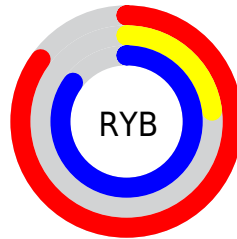
The Yxy color **22.7876, 0.3201, 0.1710** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **50.8467, 0.3018, 0.5615**, and the grayscale version is **19.8718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1547, 0.3186, 0.2031**, and **9.8423, 0.3163, 0.1516** is the 20% darker color. If you saturate the color by 10%, you get **21.0424, 0.3205, 0.1614**, and if you desaturate by 10%, it is **25.4564, 0.3195, 0.1849**.

Distribution



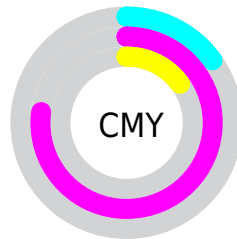
- Red (85%)
- Green (23%)
- Blue (85%)



- Red (85%)
- Yellow (23%)
- Blue (85%)



- Cyan (0%)
- Magenta (73%)
- Yellow (0%)
- Black (15%)





- Cyan (15%)
- Magenta (77%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7876, 0.3201, 0.1710 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 22.7876, 0.3201, 0.1710 by changing the saturation by 10% instead.


 22.7876, 0.3201,
0.1710


 22.7876, 0.3201,
0.1710


266.6322, 0.3205,
0.2455


 14.4368, 0.3187,
0.1544


 48.0443, 0.3212,
0.1967


 8.4251, 0.3162,
0.1343


 65.7190, 0.3213,
0.2068


 4.3681, 0.3117,
0.1099


 87.2704, 0.3213,
0.2155

 1.8815, 0.3035,
0.0806

 113.0829, 0.3212,
0.2230

 0.5372, 0.2886,
0.0435

 143.5410, 0.3211,
0.2297

 0.0000, 0.2594,
0.0000

179.0289, 0.3209,


 0.0000, 0.1473,


0.2356


0.0000


219.9312, 0.3207,
0.2408


 0.0000, 0.0000,
0.0000

 22.7876, 0.3201,
0.1710


 22.7876, 0.3201,
0.1710


 21.0424, 0.3205,
0.1614


 25.4564, 0.3195,
0.1849


 20.0928, 0.3208,
0.1560


 29.1487, 0.3186,
0.2026


 19.7625, 0.3209,
0.1541

 33.9551, 0.3176,
0.2236


 39.9553, 0.3166,
0.2468

 47.2217, 0.3154,
0.2714

 55.8210, 0.3142,
0.2964

 65.8152, 0.3131,
0.3211

 77.2624, 0.3120,
0.3448

 90.2175, 0.3109,
0.3673

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



22.7876, 0.1901, 0.1351



22.7876, 0.3201, 0.1710



22.7876, 0.4884, 0.2344

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.7876, 0.3201, 0.1710



22.7876, 0.4932, 0.5019



22.7876, 0.0932, 0.2466

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.7876, 0.3201, 0.1710



50.8467, 0.3018, 0.5615

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.7876, 0.1406, 0.4297



22.7876, 0.3201, 0.1710



22.7876, 0.3672, 0.6072

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.7876, 0.3201, 0.1710



22.7876, 0.5843, 0.3946



22.7876, 0.2422, 0.6125



22.7876, 0.0895, 0.1584

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.7876, 0.3201, 0.1710



22.7876, 0.5738, 0.2845



22.7876, 0.2422, 0.6125



22.7876, 0.1031, 0.2966

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.7886, 0.3201, 0.1710



69.2792, 0.3153, 0.2741



9.2093, 0.1736, 0.1004



14.1633, 0.3156, 0.2673



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.7886, 0.3201, 0.1710



29.4325, 0.3207, 0.1580



19.6793, 0.4286, 0.2418



13.2748, 0.3138, 0.3060



11.9594, 0.3209, 0.1541



0.7748, 0.3209, 0.1541

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



18.0867, 0.5633, 0.3297



22.3162, 0.6203, 0.3299



52.2859, 0.2700, 0.4565



13.0516, 0.3292, 0.3290



8.9300, 0.6401, 0.3300



0.5785, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 22.7876, 0.3201, 0.1710 looks on a white background.

Color Contrast Check

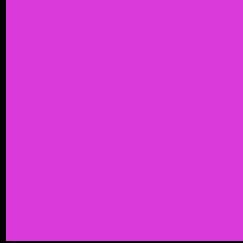
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 22.7876, 0.3201, 0.1710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

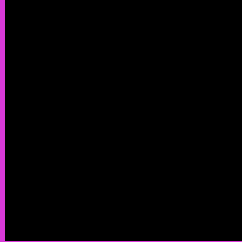
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.7876, 0.3201, 0.1710

Background



This preview shows how black text looks on a background with the Yxy color 22.7876, 0.3201, 0.1710.



This preview shows how white text looks on a background with the Yxy color 22.7876, 0.3201, 0.1710.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.7876, 0.3201, 0.1710

Protanopia

23.4706, 0.1841, 0.1580

Deuteranopia

23.2341, 0.2191, 0.2138



Tritanopia

22.5927, 0.4516, 0.3206

Trichromacy



Original Color

22.7876, 0.3201, 0.1710



Protanomaly

19.6288, 0.2083, 0.1478



Deuteranomaly

20.0747, 0.2444, 0.1817



Tritanomaly

21.8171, 0.4022, 0.2538

Monochromacy



Original Color

22.7876, 0.3201, 0.1710



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

18.8521, 0.3169, 0.2406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7876, 0.3201, 0.1710 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(217, 58, 217)` looks like.

```
.text, #text, p{  
    color:rgb(217, 58, 217)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(217, 58, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 58, 217) }
```

Border

The CSS property to change the border of an element to Yxy 22.7876, 0.3201, 0.1710 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 58, 217) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(217, 58, 217) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(217, 58, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 58, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 58, 217);  
box-shadow:4px 4px 4px 4px rgb(217, 58,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7876, 0.3201, 0.1710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 58, 217) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(217, 58,  
217) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor